

In the specification:

Please amend the paragraph at page 1, lines 3-6 as follows:

The subject matter of the present application is related to that disclosed in US Patent Applications 09/840,016, filed April 20, 2001 (Now U.S. Patent No. 6,760,464), 60/263,987, filed January 24, 2001, 09/689,226, filed October 11, 2000 (Now U.S. Patent No. 6,694,041), and 09/234,780, filed January 20, 1999, which are hereby incorporated by reference.

Please amend the paragraph at page 2, lines 1-5 as follows:

Several particular watermarking techniques have been developed. The reader is presumed to be familiar with the literature in this field. Particular techniques for embedding and detecting imperceptible watermarks in media signals are detailed in the assignee's [~~co-pending application serial number 09/503,881 and~~] US Patent Nos. 6,122,403 and 6,614,914, which are hereby incorporated by reference.

Please amend the paragraph at page

Next, the watermark detector proceeds to detect the watermark signal and determine orientation parameters of watermark signal blocks (e.g., rotation, scale, translation). The candidate image blocks identified in the pre-processing stage are transformed into a transform domain for detection of the calibration component. For example, candidate blocks are transformed into an autocorrelation domain or Fourier domain, where peaks of the calibration component are detected and correlated with a reference signal having attributes of the known calibration signal component. An example of this technique using the Fourier-Mellin transform to recover rotation and scale is described in [~~co-pending application serial number 09/503,881 and~~] US Patent Nos. 6,122,403 and 6,614,914, incorporated above. This example detector correlates the pseudorandom phase information of the calibration signal with phase information of the received image, after compensating for rotation and scale to get the coordinates of the origin of a watermark block.